

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A computer-implemented method comprising:
maintaining a plurality of stored signatures in a data storage device,
each signature being associated with one of a plurality of registered
documents;
intercepting an object packets being transmitted over a network;
reassembling the packets into an intercepted document;
calculating a set of signatures associated with the intercepted object
document; and
comparing the set of signatures associated with the intercepted
document with the plurality of stored signatures to determine if the
intercepted document contains content associated with a registered
document.
2. (Original) The method of claim 1, wherein each registered document is
associated with a user that registered the document.
3. (Currently Amended) The method of claim 2, further comprising, if the
comparison results in a match of at least one of the signatures in the set of
signatures with one or more of the plurality of stored signatures, then
detecting registered content from the registered document being contained
in the intercepted object document.

4. (Currently Amended) The method of claim 3, further comprising alarming the user that registered ~~the registered~~ the registered document in response to detecting the registered content.
5. (Currently Amended) The method of claim 4, further comprising halting delivery of the intercepted object document.
6. (Currently Amended) The method of claim 5, further comprising prompting the user that registered the registered document for permission to deliver the intercepted object document, receiving permission from the user, and completing delivery of the intercepted object document in response to receiving permission.
7. (Currently Amended) The method of claim 1, wherein calculating the set of signatures of the intercepted object document comprises calculating a plurality of hashes over one or more portions of the intercepted object document.
8. (Currently Amended) An apparatus comprising:
 - a network interface module to connect the apparatus to a network;
 - a signature database to store a first set of signatures, the first set of signatures being associated with a registered document object;
 - an object capture module to intercept an object packets being transmitted over the network;
 - an object assembly module to reassemble the packets into an intercepted object; and
 - a registration module comprising a registration engine to generate a second set of signatures, the second set of signatures being associated with

the intercepted object, and a search engine to compare the second set of signatures with the first set of signatures.

9. (Currently Amended) The apparatus of claim 8, wherein the first set of signatures stored in the signature database is associated a user who requested registration of the registered document object.

10. (Currently Amended) The apparatus of claim 9, wherein the registration module detects registered content from the registered document object being transmitted over the network if the search engine matches one or more signatures in the second set of signatures with one or more signatures in the first set of signatures.

11. (Currently Amended) The apparatus of claim 10, wherein the registration module further comprises a notification module to generate an alert for the user who requested registration of the registered document object in response to detecting registered content from the registered document object being transmitted over the network.

12. (Original) The apparatus of claim 11, further comprising an object store module to store the intercepted object.

13. (Currently Amended) The apparatus of claim 12, wherein the registration module halts delivery of the intercepted object from the object store module to its destination in response to detecting registered content from the registered document object being transmitted over the network.

14. (Currently Amended) The apparatus of claim 13, wherein the registration module allows completion of the delivery of the intercepted

object from the object store module to its destination in response to receiving permission from the user who requested registration of the registered document object.

15. (Original) The apparatus of claim 8, wherein the registration engine generates the second set of signatures by calculating a plurality of hashes various portions of the intercepted object.

16. (Currently Amended) A machine-readable medium storing a sequence of instructions that, when executed by a processor, cause the processor to perform operations comprising:

maintaining a plurality of stored signatures in a data storage device, each signature being associated with one of a plurality of registered documents objects;

intercepting an object packets being transmitted over a network;

reassembling the packets into an intercepted object;

calculating a set of signatures associated with the intercepted object; and

comparing the set of signatures associated with the intercepted object with the plurality of stored signatures to determine if the intercepted document contains content associated with a registered document.

17. (Currently Amended) The machine-readable medium of claim 16, wherein each registered document object is associated with a user that registered the document object.

18. (Currently Amended) The machine-readable medium of claim 17, wherein the instruction further cause the processor to detect registered content from the registered document object being contained in the

intercepted object, if the comparison results in a match of at least one of the signatures in the set of signatures with one or more of the plurality of stored signatures.

19. (Original) The machine-readable medium of claim 18, wherein the instructions further cause the processor to halt delivery of the intercepted object.

20. (Currently Amended) The machine-readable medium of claim 19, wherein the instructions further cause the processor to send an alert to the user that registered ~~the registered~~ the registered document object in response to detecting the registered content.

21. (Currently Amended) The machine-readable medium of claim 20, wherein the instructions further cause the processor to prompt the user that registered the registered document object for permission to deliver the intercepted object, and to deliver the intercepted object if permission is given.

22. (New) A machine-readable medium storing a sequence of instructions that, when executed by a processor, cause the processor to perform operations comprising:

receiving a document to be registered;
calculating a set of one or more signatures for the document; and
storing the set of signatures in a database for comparison against signatures of captured documents.

23. (New) An apparatus comprising:

an object capture module to receive packets for an object to be registered;

an object assembly module to reassemble the packets into the object;

a registration module to calculate a set of one or more signatures for the object; and

a signature database to store the set of signatures.